



ENTERED

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,806

DATE: 04/09/2002
TIME: 13:12:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04092002\I700806.raw

3 <110> APPLICANT: Shen, Ben-Quan
4 Zioncheck, Thomas
6 <120> TITLE OF INVENTION: MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF
8 <130> FILE REFERENCE: P1735R1
10 <140> CURRENT APPLICATION NUMBER: US 09/700,806
C--> 11 <141> CURRENT FILING DATE: 2002-03-12
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/30294
14 <151> PRIOR FILING DATE: 2000-11-02
16 <150> PRIOR APPLICATION NUMBER: US 60/163,132
17 <151> PRIOR FILING DATE: 1999-11-02
19 <160> NUMBER OF SEQ ID NOS: 4
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 57
23 <212> TYPE: DNA
C--> 24 <213> ORGANISM: Artificial
26 <220> FEATURE:
27 <221> NAME/KEY: Misc_feature
28 <222> LOCATION: 1-57
29 <223> OTHER INFORMATION: Sequence is synthesized.
31 <220> FEATURE:
32 <221> NAME/KEY: unsure
33 <222> LOCATION: 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42
34 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated positions may
35 be C or G
37 <400> SEQUENCE: 1
W--> 38 cacgaagtgg tgaagttcnn sgatgtcnns nnscgcagcn nstgccatcc 50
40 aatcgag 57
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 42
44 <212> TYPE: DNA
C--> 45 <213> ORGANISM: Artificial
47 <220> FEATURE:
48 <221> NAME/KEY: Misc_feature
49 <222> LOCATION: 1-42
50 <223> OTHER INFORMATION: Sequence is synthesized.
52 <220> FEATURE:
53 <221> NAME/KEY: unsure
54 <222> LOCATION: 16, 17, 18, 22, 23, 24, 25, 26, 27
55 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated positions may
56 be C or G
58 <400> SEQUENCE: 2
W--> 59 gggggctgct gcaatnnsga gnnsnnsgag tgtgtgccca ct 42

61 <210> SEQ ID NO: 3

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62 <211> LENGTH: 990
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Homo sapiens
 66 <400> SEQUENCE: 3
 67 cagtgtctg gcggccggc gcgagccggc ccggcccccgg tcgggcctcc 50
 69 gaaaccatga actttctgtc gtcttgggtg cattggagcc tcgccttgc 100
 71 gctctaccc caccatgcca agtggtccca ggctgcaccc atggcagaag 150
 73 gaggagggca gaatcatcac gaagtggtga agttcatgga tgtctatcag 200
 75 cgtagctact gccatccaaat cgagaccctg gtggacatct tccaggagta 250
 77 ccctgtatc atcgagtaca tcttcaagcc atcctgtgtc cccctgtatc 300
 79 gatgcggggg ctgctgcaat gacgagggcc tggagtgtgt gcccactgag 350
 81 gagtccaaaca tcaccatgca gattatgcgg atcaaaccctc accaaggcca 400
 83 gcacatagga gagatgagct tcctacagca caacaaatgt gaatgcagac 450
 85 caaagaaaaga tagagcaaga caagaaaatc cctgtggggcc ttgctcagag 500
 87 cgtagaaagc atttgggtt acaagatccg cagacgtgt aatgttcctg 550
 89 caaaaacaca gactcgctt gcaaggcgag gcagcttgag ttaaacgaac 600
 91 gtacttgcag atgtgacaag ccgaggcggt gagccggca ggaggaagga 650
 93 gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700
 95 cagaacgatc gatacagaaa ccacgctgcc gccaccacac catcaccatc 750
 97 gacagaacag tccttaatcc agaaaacctga aatgaaggaa gaggagactc 800
 99 tgcgcagagc actttgggtc cggagggcgaa gactccggcg gaagcattcc 850
 101 cgggcgggtg acccagcacg gtcccttgcgaaattggatt cgccattttt 900
 103 tttttcttgc tgctaaatca ccgagcccccgg aagatttagag agttttatcc 950
 105 ctgggattcc tcttagacaca ccgcggccgc cagcacactg 990
 107 <210> SEQ ID NO: 4
 108 <211> LENGTH: 191
 109 <212> TYPE: PRT
 110 <213> ORGANISM: Homo sapiens
 112 <400> SEQUENCE: 4
 113 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu
 114 1 5 10 15
 116 Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
 117 20 25 30 35
 119 Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
 120 35 40 45
 122 Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
 123 50 55 60
 125 Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
 126 65 70 75
 128 Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
 129 80 85 90
 131 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Glu
 132 95 100 105
 134 Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
 135 110 115 120
 137 Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
 138 125 130 135
 140 Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg
 141 140 145 150

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143 Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys
144 155 160 165
146 Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn
147 170 175 180
149 Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
150 185 190

VERIFICATION SUMMARY
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:45 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2